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| FORM PTO-1390 (Modified) (REV. 11-2000) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTORNEY'S DOCKET NUMBER | |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | | | IKE-C373 | |
| INTERNATIONAL APPLICATION NO. PCT/JP02/002714 | | INTERNATIONAL FILING DATE 20 MAR 2002 | | U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 10/500894 | |
| | | | | PRIORITY DATE CLAIMED 30 MAY 2001 | |
| TITLE OF INVENTION MONOMER BASED ON ROTAXANE STRUCTURE, PROCESS OF PREPARING THE MONOMER, POLYMER AND PROCESS OF PREPARING THE POLYMER | | | | | |
| APPLICANT(S) FOR DO/EO/US Masumi ASAKAWA, Hiroko YAMANISHI and Toshimi SHIMIZU | | | | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | | | | |
| 1. | <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. | | | | |
| 2. | <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. | | | | |
| 3. | <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below. | | | | |
| 4. | <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31). | | | | |
| 5. | <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c) (2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). | | | | |
| 6. | <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). | | | | |
| 7. | <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. | | | | |
| 8. | <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). | | | | |
| 9. | <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). | | | | |
| 10. | <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). | | | | |
| 11. | <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409). | | | | |
| 12. | <input type="checkbox"/> A copy of the International Search Report (PCT/ISA/210). | | | | |
| Items 13 to 20 below concern document(s) or information included: | | | | | |
| 13. | <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. | | | | |
| 14. | <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. | | | | |
| 15. | <input type="checkbox"/> A FIRST preliminary amendment. | | | | |
| 16. | <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. | | | | |
| 17. | <input type="checkbox"/> A substitute specification. | | | | |
| 18. | <input type="checkbox"/> A change of power of attorney and/or address letter. | | | | |
| 19. | <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825. | | | | |
| 20. | <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). | | | | |
| 21. | <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). | | | | |
| 22. | <input type="checkbox"/> Express Mail Label No. | | | | |
| 23. | <input checked="" type="checkbox"/> Other items or information: | | | | |
| PCT/IB/308; Article 34 Amendment with translation and substitute pages 4-11 and 47 | | | | | |

U.S. APPLICATION NO.

1A-5008914

INTERNATIONAL APPLICATION NO.

PCT/JP02/002714

ATTORNEY'S DOCKET NUMBER

IKE-C373

24. The following fees are submitted:.

BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :

| | |
|--|-----------|
| <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO | \$1080.00 |
| <input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO | \$920.00 |
| <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO | \$770.00 |
| <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) | \$730.00 |
| <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) | \$100.00 |

CALCULATIONS PTO USE ONLY**ENTER APPROPRIATE BASIC FEE AMOUNT =**

\$920.00

Surcharge of \$130.00 for furnishing the oath or declaration later than 20 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).

\$0.00

| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | |
|--|--------------|--------------|--------------------------|----------|
| Total claims | 10 - 20 = | 0 | x \$18.00 | \$0.00 |
| Independent claims | 10 - 3 = | 7 | x \$86.00 | \$602.00 |
| Multiple Dependent Claims (check if applicable). | | | <input type="checkbox"/> | \$0.00 |

TOTAL OF ABOVE CALCULATIONS =

\$1,522.00

 Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.

\$0.00

SUBTOTAL =

\$1,522.00

Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).

\$0.00

TOTAL NATIONAL FEE =

\$1,522.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).

\$0.00

TOTAL FEES ENCLOSED =

\$1,522.00

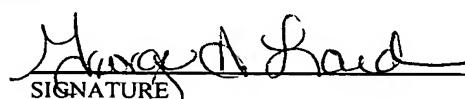
| | |
|---------------------------|----|
| Amount to be: refunded | \$ |
| charged | \$ |

- A check in the amount of _____ to cover the above fees is enclosed.
- Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees.
- The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 12-2174
- Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

George A. Loud, Esquire
 LORUSSO, LOUD & KELLY
 3137 Mount Vernon Avenue
 Alexandria, VA 22305



SIGNATURE

NAME

25,814

REGISTRATION NUMBER

November 17, 2003

DATE